

ABSTRACT

Method and apparatus to treat unwanted dermatological conditions on a specific area of the body. The area of treatment is exposed to a specific pattern of multi-wavelength light which may have an added infusion of a particular wavelength from a unique non-collimated laser rod optical insertion. The light is generated by specific gas mixture multiple flashlamps that allow simultaneous, overlap, or consecutive firing with quasi-logarithmic spacing between pulses. Pre/Post low level optical heating increases lesion temperature to optimize pulsed treatment. The optimum fixed specific wavelength distribution pattern allows the treatment of various skin conditions by adjusting the intensity of light, and delay between pulses. The need for skin cooling and damage to skin treatment areas is eliminated by the quasi-logarithmic pulse spacing in conjunction with optimum length and characteristic shape of the individual pulses of light.

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